

**IDAHO PANHANDLE NATIONAL FORESTS**

2450

04-2420-01

Commercial Sales - Proposed

STARS # 10201

**K & N SALVAGE TIMBER SALE REPORT**  
**AND**  
**APPRAISAL**

DISTRICT

SUPERVISOR'S OFFICE

Prepared \_\_\_\_\_

By: James D. McFarland

Date \_\_\_\_\_

Reviewed for Advertisement

\_\_\_\_\_  
By

\_\_\_\_\_  
Date

Reviewed \_\_\_\_\_

By: Pete Ratcliffe

Date \_\_\_\_\_

Reviewed \_\_\_\_\_

By: Chuck Mark

Date \_\_\_\_\_

I hereby certify that this sale meets  
the requirements of Secretary's  
Regulation 36 CFR 223.30.

\_\_\_\_\_  
Staff Officer, Timber

\_\_\_\_\_  
Date

# **K & N Salvage Timber Sale Report**

## **I. Location**

The sale area is 44 acres in size and is located in sections 4, T44N, R7E., Boise Meridian, Shoshone County, Idaho. The timber stand atlas compartment number is 241-04-0002, St. Joe Ranger District, Idaho Panhandle National Forests. Harvest is planned on 8 acres. The sale area lies in the Nugget Creek drainage.

K & N Salvage Timber Sale is salvage of timber burned during the Nugget Creek fire in October 2009. Salvage is located in an area of the fire with low to mixed severity fire, which killed the majority of the trees within the unit. The average scorch height is approximately 11 feet.

From St. Maries, ID, proceed 59 miles east on Forest Highway 50 to Jct. Rd 752 (Prospector Creek), proceed up Rd 752 approximately 7 miles to Jct. Rd 1478 (Lower Nugget Creek), drive approximately 1 mile and you are at the timber sale.

From St. Regis, MT, proceed 14 miles west on Rd 282 (Little Joe) to Forest Highway 50 (Gold Pass), proceed 28 miles west on Forest Highway 50 to Rd 752 (Prospector Creek), drive approximately 7 miles to Jct. Rd 1478 and drive 1 mile to timber sale.

## **II. Relationship to the Environmental Document and Other Uses**

This sale is prepared under the direction of the Decision Memo for the K & N Salvage Project, approved by Chuck Mark, District Ranger on June 18, 2010. The purpose of this sale is to recover some economic value of the burned timber. This sale lies in Forest Plan Management Area 1.

### **A. Relationship to Private Land/Rights-of-Way:**

Actual unit boundary for Unit 1 are adjacent to other land ownership.

### **B. Threatened, Endangered and Sensitive Species:**

B6.24 Protection Measures Needed for Plants, Animals, Cultural Resources and Cave Resources.

### **C. Wetlands/Streamside Habitats:**

Wetlands and streams identified during field review or harvest preparation have been excluded or protected by INFISH buffers.

### **D. Special Uses, Mining Claims, Range Allotments:**

Mining Claims: The Sale Area is open to prospecting, but currently there are no known applications or activity claims on file.

Range Allotment: There are no range allotments

### **E. Noxious Weeds:**

C6.351# - Washing Equipment. Prior to initial and any subsequent entries into the Sale Area, purchaser is required to wash all off road logging and construction equipment.

### **F. Cultural Resources:**

There are no known cultural resource sites in the sale area.

G. Other: N/A

### **III. Timber Volumes**

K & N Salvage Timber Sale was cruised utilizing Forest Service personnel. Cruising was completed during the 2009 and 2010 field season. All Forest Service Cruise assistants were under the direct supervision of Certified Cruisers. Cruise design and implementation procedures were adhered to the standards prescribed in the Forest Cruising Handbook 2409.12 and all Region 1 and IPNF Supplements.

District Certified Cruisers: Mike Hicks, William Brandt, Cynthia Johnston, Jodi Waite, and Colin Longworth.

The sale was cruised to an error of 17.82%. Maximum allowable for weight scaled sales is 20%. The cruise identification number is 10201.

Area Determination: GPS was used for the sale.

GPS: Trimble GeoXT.

Standards: PDOP 6, SNR 6 (Factory Recommendation), Elev Mask: 15. All files were differentially corrected as required within FSH 2409.12 Timber Cruising Handbook 52.21 – Global Positioning System Traverse Standards.

Table 1 summarizes sale acreage, and estimated timber volumes by species, and logging systems.

Volumes are in CCF									
Unit	Acres	GF	AF	LP	DF	S	C	Total	Logging System
1	8	157	0	2	60	3	43	265	Skyline
MBF	–	87	0	1	32	1	21	143	
Ton	–	485	0	6	185	9	133	819	

Tons = CCF \* 3.09 (CCF/TON)

### **IV. Marking Plan**

Standard Unit Boundaries: Three vertical stripes of Orange paint approximately 3' – 4' in length with the mid-point of each vertical stripe to be roughly at “eye-height” or higher if brush conditions warrant. The center vertical stripe shall face into the area to be treated. Each painted boundary tree shall have an adequate “stump” mark located on the downhill side of the tree as close to ground.

Many of the Unit Boundaries fall on system roads. Those boundaries that are roads *DO NOT HAVE* any boundary trees marked. The boundary of these units will be the adjacent road.

Leave Tree Mark (LTM): A horizontal line approximately 5 feet above ground level, or higher if brush conditions warrant, on both the up and downhill side of the tree with Orange paint. In addition, a Orange mark shall be painted on the “stump” as close to the ground.

### **V. Logging Plan**

Unit 1 of the sale is skyline logging system. The longest external distance is approximately 750'.

### **VI. Transportation System**

The main haul routes from the sale area is the Rd 1478 (1 mile) to Rd 752 (6.6 miles) to Forest Highway 50. Forest Highway 50 (28 miles) to Rd 282 (14.4 miles) to St. Regis, MT or Forest Highway 50 (59 miles) to St. Maries, ID.

## **VII. Erosion Control**

Application shall be during the period **May 15 to June 30** and **September 1 to October 31**. Seed shall be applied evenly at the rate of 19 pounds per acre and 200 pounds of fertilizer per acre.

### **Seed quantity**

<b>Species</b>	<b>PLS lbs/acre</b>
Slender Wheatgrass "Highlander" or "Pryor"	3
Hard Fescue "Durar"	5
Mountain Brome "Bromar"	5
Annual Rye	4
Alsike Clover	2
<b>Total</b>	<b>19</b>
Fertilizer Mix	16-16-16
Application Rate / acre	200
Labor : Day rate (AD-c)\$17.40 x 8 hours	\$ 139.20
Seed \$/lb	\$ 4.00
Fertilizer \$/lb	\$ 0.45
Acres to be seeded	1
Total Seed lbs & \$/lb (19lbs x \$4)	\$76
Total Fertilizer lbs & cost (200lbs x 0.45)	\$90
Total Cost (seed & fert)	\$166
Labor Cost (1 person @ 3 ac/day)= .25 days	\$35
Total seed & labor cost	\$201
<b>(265 CCF ) Cost/CCF</b>	<b>\$0.76</b>

## **VIII. Sale Area Improvement - Reforestation**

No Reforestation activities required

## **IX. Hazard Reduction**

The sequence of activities and activity costs are attached. Costs are generated through the PLANZ program.

### **Purchaser requirements:**

Grapple Pile Landings  
Lop & Scatter Tops

### **Forest Service requirements:**

Burn Landing Piles

## **X. Other Provisions**

### **A. Period of contract:**

1. Normal operating season: June 15 thru October 15
2. Termination date: October 31, 2011

### **B. Purchaser Fire Liability:**

#### **1. Personnel and Equipment**

<b>Number Required</b>	<b>Item</b>	<b>Personnel</b>
	Sawyer	1
	Yarder	1
	Skidder	1
	Loader	1

#### **2. Cost Calculations**

Total number of personnel	4
Number of hours per day	12
Total hours per crew day	48
Hourly rate for AD-C firefighter	\$ 17.40
Average daily cost	\$835.20
Average fire length	5 days
Purchaser obligation for operation fire	\$4,176.00
Rounded up to nearest \$100	<b>\$4,200</b>

#### **3. Other unique requirements:**

##### **A2 – Volume Estimate and Utilization Standards**

*Minimum Specifications, Piece Required to be Removed:*

Diameter Inside bark at small end 8.0”

##### **C6.7 Hazard Reduction and Site Preparation**

(c) All tops of felled trees to a diameter of approximately 8 inches diameter inside bark will remain on site. Tops of felled trees will be lopped so as to not extend over 18 inches in height above the ground. Tops shall be moved into skyline corridors to reduce the risk of erosion.

##### **Unusual Condition Adjustments**

Allowances were given in the timber sale appraisal appendix for:

Loss of timber value and amount of scorch

Loss of chip value

Additional sorting of logs

## **XI. Notification of Forest Practices**

*(Check appropriate box)*

X	Harvest of forest tree species.
	Road construction associated with harvesting of trees.
	Reforestation.
	Use of chemicals or fertilizers for the purpose of growing or managing forest tree species..
X	Slashing or use of fire resulting from harvest or other management activities.
X	Site specific BMP's
	Lake Present?
	Class I stream present?
X	Steep Slopes?
	Unstable or erodible soils present?
	Sream crossings anticipated?

## **XII. Sale Objective Code**

PURPOSE	ACTIVITY	PERCENTAGE
TC	01	100

### **VALID PURPOSE CODES:**

TC -- Timber Commodity Purpose  
FS -- Forest Stewardship Purpose  
PP -- Personal Use

### **VALID ACTIVITY CODES:**

**TC** 01 -- Timber Purpose  
**FS** 10 -- Forest and Ecosystem Health  
**FS** 20 -- Recreation/Visual/Cultural Resource Enhancements  
**FS** 30 -- Wildlife Habitat Management  
**FS** 40 -- Fisheries Habitat Management and Watershed Improvement  
**FS** 50 -- T&E Species Habitat Management  
**FS** 60 -- Range Resource Enhancements  
**FS** 70 -- Non-Timber Products  
**FS** 90 -- Other  
**PP** 80 -- Personal Use Products